

TEKTELIC BREEZE

CO₂ MONITORING SOLUTION

There is a critical need to accurately monitor the CO₂ levels of indoor environments to ensure proper ventilation and healthy air quality conditions for us to work, learn and play. To effectively ventilate our indoor environments, TEKTELIC has introduced BREEZE, an easy to deploy, End-to-End family of ambient environment monitoring sensors that seamlessly connect with existing LoRaWAN infrastructure. BREEZE has a convenient and small form factor for simple deployment and a 4 to 6 year battery life.

What's Included?



Continuously Monitor



Temperature



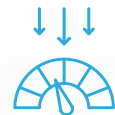
Humidity



Light



CO₂
Concentration



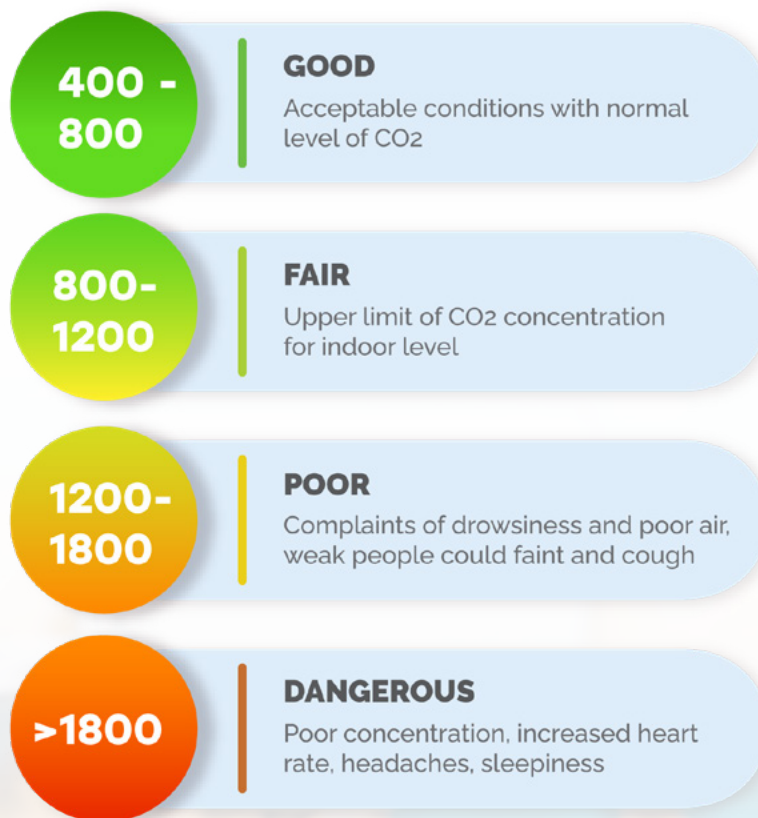
Barometric Air
Pressure

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The average Carbon Dioxide (CO₂) levels in the atmosphere worldwide is approximately 420 parts per million (ppm). When indoor air CO₂ concentration levels reach 800 million ppm, 1% of the air you breathe in comes from someone else's exhaled breath.

In a typical classroom with 25 students, the CO₂ concentration levels often reach 1000 to 1200 ppm in minutes - which is a maximum level recommended by health agencies around the world. If the room does not have proper ventilation, the CO₂ concentration often exceeds 1800 to 3000 ppm. CO₂ concentration of 1800 ppm and above has been proven to cause fatigue, resulting in a 70-80% decrease in cognitive function, much lower attention span, and lower overall testing performance.



CO₂ CONCENTRATION LEVEL

Are you interested to learn more about the impact of CO₂ and why it is becoming more important to decarbonize our buildings?

Contact us at info@tektelic.com to start decarbonizing your buildings with BREEZE today!